Innovation of Medical Informatics (IMI)

Year	Trimester 1	Trimester 2	Trimester 3
1	- IMI62-120 Basic Mathematics - IMI62-121 Program Design - IMI62-111 Technical Terms in Medicine	- ITD64-173 Electronic Spreadsheet Applications for Data Analysis - IMI62-112 Medical Science - IMI62-122 Fundamental Computer Programming - IMI62-123 Design Thinking for Medical Informatics Innovation	- ITD62-111 Documentation Management and Data Processing - IMI62-131 Medical Technology - IMI62-141 Healthcare Organization Management
	General Education 7 course	General Education 4 course	General Education 4 course
2	- IMI62-222 Mathematics for Medical Informatics - IMI62-262 Medical Database Design - IMI62-273 Medical Information System Development Studio - IMI62-151 Experience in Healthcare Organization - IMI62-251 Medical and Health Information System	- IMI62-223 Data Structure for Medical Informatics - IMI62-211 Health Data Classification Systems - IMI62-231 Web Application Development - IMI62-272 Systems Analysis and Design - Elective course 3 credit	- MAG62-101 Graphics Design for Presentation - IMI62-212 Medical Record Science - IMI62-224 Statistics for Information Technology - IMI62-263 Medical Database Development - IMI62-271 Human Computer Interaction - Elective course 3 credit
	General Education 1 course	General Education 1 course	General Education 1 course
3	- IMI62-232 Computer Network - IMI62-371 Medical Informatics Project Management - IMI62-481 Innovation of Medical Informatic Seminar I - IMI62-484 Innovation of Medical Informatic Project I - Elective course 9 credit	- IMI62-375 Virtual Reality and Augmented Reality Technology for Medical Innovation - IMI62-321 Biostatistics for Health - IMI62-390 Pre-Cooperative Education - IMI62-482 Innovation of Medical Informatic Seminar II - IMI62-485 Innovation of Medical Informatic Project II - Elective course 3 credit - Free Elective 3 credit	- IMI62-332 Medical Information Security - IMI62-366 Database Administration for Healthcare - IMI62-483 Innovation of Medical Informatic Seminar III - IMI62-486 Innovation of Medical Informatic Project III - Free Elective 3 credit
4	- IMI62-491 Cooperative Education I	- IMI62-492 Cooperative Education II	- Free Elective 2 credit

Elective course		
Program Development	Data Analysis	Medical
- IMI62-322 NoSQL Database Programming for Healthcare Application - IMI62-331 Internet of Things for Healthcare Application - IMI62-221 Object-Oriented Programming - IMI62-372 Framework for Web Application Development - IMI62-373 Mobile Application Development - IMI62-374 Software Verification and Validation	- IMI62-261 Data Analytics in Healthcare - IMI62-361 Health Association Analysis - IMI62-362 Health Recommendation System - IMI62-363 Medical Image Analytics - IMI62-364 Medical Information Visualization - IMI62-365 Medical Text Analytics	- IMI62-351 The Applications of Augmented Reality Technology in Medicine - IMI62-352 Fundamentals of Biomedical Instrumentation - IMI62-353 Vital Signs Monitoring - IMI62-354 Biomedical Signals and Applications - IMI62-355 Brain-Computer Interfaces